

Substitute for form 1449A/PTO (modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 1 of 3

Application Number

10/776,155

Filing Date

February 11, 2004

First Named Inventor

Conner, Arlie R.

Art Unit

2873

Examiner Name

Attorney Case Number

59526US002

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
✓	A1	US- 2001/0022613A1	9-20-01	Matsui	
	A2	US- 2001/0046131A1	11-29-01	Hoelen	
	A3	US- 2002/0097000A1	7-25-02	Muthu	
	A4	US- 2002/0159036A1	10-31-02	Yamagishi	
	A5	US- 2003/0016539A1	1-23-03	Minano	
	A6	US- 2003/0193649A1	10-16-03	Seki	
	A7	US- 3,984,178	10-5-76	Bergqvist	
	A8	US- 4,915,489	4-10-90	Minko	
	A9	US- 5,428,365	6-27-95	Harris	
	A10	US- 5,442,414	8-15-95	Janssen	
	A11	US- 5,592,188	1-7-97	Doherty	
	A12	US- 5,625,738	4-29-97	Magarill	
	A13	US- 5,633,737	5-27-97	Tanaka	
	A14	US- 5,719,706	2-17-98	Masumoto	
	A15	US- 5,757,341	5-26-98	Clarke	
	A16	US- 5,764,319	6-9-98	Nishihara	
	A17	US- 5,971,545	10-26-99	Haitz	
	A18	US- 5,987,793	11-23-99	Ebine	
	A19	US- 6,028,694	2-22-00	Schmidt	
	A20	US- 6,061,183	5-9-00	Nakai	
	A21	US- 6,104,458	8-15-00	Fukuda	
	A22	US- 6,104,541	8-15-00	Otomo	
	A23	US- 6,144,426	11-7-00	Yamazaki	
	A24	US- 6,177,761	1-23-01	Pelka	
	A25	US- 6,224,216	5-1-01	Parker	
	A26	US- 6,227,669	5-8-01	Tiao	
	A27	US- 6,236,512	5-22-01	Nakai	
✓	A28	US- 6,252,636	6-26-01	Bartlett	

*Examiner:

Date Considered:

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		Doc. Number-(Kind Code if Known)			
✓	A29	US- 6,254,237	7-3-01	Booth	
	A30	US- 6,318,863	11-20-01	Tiao	
	A31	US- 6,330,039	12-11-01	Matsui	
	A32	US- 6,332,688	12-25-01	Magarill	
	A33	US- 6,402,347	6-11-02	Maas	
	A34	US- 6,483,196	11-19-02	Wojnarowski	
	A35	US- 6,527,419	3-4-03	Galli	
	A36	US- 6,547,400	4-15-03	Yokoyama	
	A37	US- 6,547,423	4-15-03	Marshall	
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	A39	US- 6,591,037	7-8-03	Yonekubo	
	A40	US- 6,644,814	11-11-03	Ogawa	
	A41	US- 6,657,236	12-2-03	Thibeault	
	A42	USSN 10/727,220	Filed 12-2-03	Schultz	
	A43	USSN 10/748,653	Filed 12-30-03	Cannon	
	A44	USSN 10/726,225	Filed 12-2-03	Henson	
	A45	USSN 10/726,222	Filed 12-2-03	Henson	
	A46	USSN 10/776,390	Filed 2-11-04	Conner	
✓	A47	USSN 10/776,152	Filed 2-11-04	Conner	
✓	A48	US-			

OTHER DOCUMENTS			
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
✓	C1	Secondary Optics Design Considerations for SuperFlux LEDs, application brief AB20-5, Appendix 5A, pages 5-22	
✓	C2	STEVE PAOLINI, GERARD HARBERS, MATTHIJS KEUPER, Lumileds, Light from Silicon Valley, High-Power LED Illuminators in Projection Displays, pages 1-19	
✓	C3	GERARD HARBERS, WIM TIMMERS, WILLEM SILLEVIS-SMITT, LED Backlighting for LCD HDTV, Journal of the SID, 10/4, 2002, pages 347-350	

*Examiner: <i>Rhonda Taylor</i>	Date Considered: <i>10/13/05</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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h	C4	STEVE PAOLINI, GERARD HARBERS, MATTHIJS KEUPER, Lumileds, Light from Silicon Valley, Performance of High-Power LED Illuminators in Projection Displays	
↓	C5	LumiBright Light Engine, Innovations in Optics, Inc, Woburn, Massachusetts	

*Examiner: <i>[Signature]</i>	Date Considered: <i>10/03/05</i>
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		Doc. Number-(Kind Code if Known)			
✓	A1	US- 2002/0003669	01/10/2002	Kedar et al.	
✓	A2	US- 5,055,892	10/8/1991	Gardner et al	

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Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
✓	B1	JP	11-231316	08/27/1999			Abstract
↓	B2	JP	2003-330109	11/19/2003			
↓	B3	WO	2004-107751	12/09/2004			

OTHER DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
✓	C1	Laikin, Milton, "Lens Design-Third Edition, Revised and Expanded", Table of Contents, pp. 305-312, Marcel Dekker, New York, 2001.	
✓	C2		
✓	C3		

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		Doc. Number-(Kind Code if Known)			
✓	A1	US- 3,756,688	09/04/1973	Hudson et al.	
	A2	US- 5,285,318	02/08/1994	Gleckman	
	A3	US- 5,782,553	07/21/1998	McDermott	
	A4	US- 5,796,526	08/18/1998	Anderson	
	A5	US- 5,863,125	01/26/1999	Doany	
	A6	US- 6,139,156	10/31/2000	Okamori et al.	
	A7	US- 6,196,699	03/06/2001	Stanton	
	A8	US- 6,336,724	01/08/2002	Shoui et al.	
	A9	US- 6,341,867	01/29/2002	Itoh	
	A10	US- 6,398,389	06/04/2002	Bohler et al.	
	A11	US- 6,412,953	07/02/2002	Tiao et al.	
	A12	US- 6,419,365	07/16/2002	Potekev et al.	
	A13	US- 6,459,835	10/01/2002	Nagaoka et al.	
	A14	US- 6,471,358	10/29/2002	Itoh et al.	
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	A17	US- 6,505,939	01/14/2003	Bierhuizen et al.	
	A18	US- 6,561,654	05/13/2003	Mukawa et al.	
	A19	US- 6,595,648	07/22/2004	Woodgate et al.	
	A20	US- 6,623,122	09/23/2003	Yamazaki et al.	
	A21	US- 6,646,806	11/11/2003	Bierhuizen	
	A22	US- 6,672,724	01/06/2004	Peterson, et al.	
	A23	US- 6,688,747	02/10/2004	Wichner et al.	
	A24	US- 6,726,329	04/27/2004	Li et al.	
	A25	US- 6,733,139	05/11/2004	Childers et al.	
	A26	US- 6,843,566	01/18/2005	Mihara	
✓	A27	US- 2001/0048493	12/06/2001	Swanson	
✓	A28	US- 2001/0048560	12/06/2001	Sugano	

*Examiner:

Khalkhoyla

Date Considered:

10/12/05

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✓	A29	US- 2002/0093743	07/18/2002	Miyamae	
	A30	US- 2002/0105807	08/08/2002	Loughrey	
	A31	US- 2002/0114157	08/22/2002	Fu-Ming et al.	
	A32	US- 2002/0145708	10/10/2002	Childers et al.	
	A33	US- 2002/0154277	10/24/2002	Mukawa et al.	
	A34	US- 2002/0186350	12/12/2002	Peterson	
	A35	US- 2002/0191395	12/19/2002	Fleury	
	A36	US- 2003/0133080	07/17/2003	Ogawa	
	A37	US- 2003/0214815	11/20/2003	Ishida et al.	
	A38	US- 2004/0004176	01/08/2004	Liang	
	A39	US- 2004/0042212	03/04/2004	Du et al.	
	A40	US- 2004/0062044	04/01/2004	Kazunari	
	A41	US- 2004/0062045	04/01/2004	Chang	
	A42	US- 2004/0080938	04/29/2004	Holman et al.	
	A43	US- 2004/0174501	09/09/2004	Slobodin et al.	
	A44	US- 2004/0202007	10/14/2004	Yagi et al.	
✓	A45	US- 2004/0207816	10/21/2004	Manabu et al.	

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		Ctry. Code	Number-KindCode (If known)				
✓	B1	EP	0 083 527	07/13/1983			
	B2	EP	0 322 070	06/28/1989			
	B3	EP	0 587 371	03/16/1994			
	B4	EP	0 740 178	10/30/1996			
	B5	EP	0 837 350	04/22/1998			
	B6	EP	0 881 514	12/02/1998			
	B7	EP	1 003 064	05/24/2000			
	B8	EP	1 052 856	11/15/2000			

*Examiner: <i>Richard H. Taylor</i>	Date Considered: <i>10/12/05</i>
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		Ctry. Code	Number-KindCode (if known)				
la	B9	EP	1 357 333 A	10/29/2003			
	B10	EP	1 398 659	03/17/2004			
	B11	GB	1 195 547 A	06/17/1970			
	B12	JP	09-018072	01/17/1997			Abstract
	B13	JP	10-123512	05/15/1998			Abstract
	B14	JP	2000-305040	11/02/2000			Abstract
	B15	JP	2002-133932	05/10/2002			Abstract
	B16	JP	2002-177218 A	06/25/2002			Abstract
	B17	JP	2002-184206	06/28/2002			Abstract
	B18	JP	2005-128236	05/19/2005			Abstract
	B19	TW	531 662 B	05/11/2003			
	B20	WO	2003/56876	07/10/2003			
	B21	WO	2004/109366	12/16/2004			

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la	C1	JACOBSON, et al., "Novel Compact Non-Imaging Collectors for LED Arrays", Illumitech, Inc., bjacobson@illumitech.com	
	C2	Lumileds Lighting, U.S., LLC, "Power Light Source Luxeon™ Emitter", Document # DW25 (07/25/03) pp. 1-12	
	C3	Smith, Warren J. "Modern Optical Engineering The Design of Optical Systems", McGraw-Hill Third Edition, (2000) pp. 245-247, 470-474	
	C4	Stupp, Edward H. and Brennesholtz, Matthew S. "Projection Displays" Modeling Lumen Throughput "Etendue at a flat surface" John Wiley & Sons, Inc. III Series (1999) p.244-245	
	C5	Laikin, Milton, "Lens Design-Third Edition, Revised and Expanded", Table of Contents, pp. 305-312, Marcel Dekker, New York, 2001.	
	C6	Melles Griot: "Specifying Laser Diode Optics" Online! 2000, 2002 XP002323875, Section "Focusing Lenses For Fiber Optics" Lines 19-23, Figures 3, 4	

*Examiner: <i>F. D. Hryla</i>	Date Considered: <i>6/12/05</i>
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